



# **Enhanced Coastal Trafficability Update**

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# AGENDA

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- **ERDC Demo**
  - **Pending Issues**
  - **Results**
- **JLOTS - Native Atlas**
- **TRANSLOTS**

# ECT DEMO

## *Sand-Geofiber Stabilization*

**Level**



**Place**



**Spread**



**Mark**





# ECT DEMO

## *Sand-Geofiber Stabilization*

Mix



Moisture



Ready for traffic



Compact





# ECT DEMO

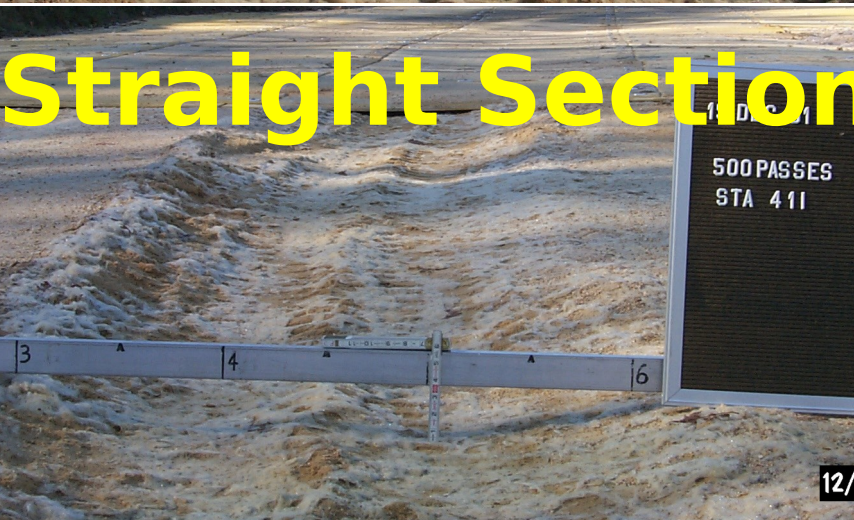
## *Sand-Geofiber Stabilization*

**70 ft curve**

**50 ft curve**



**Straight Section**



**Construction Issues**  
**Curve radius > 70 ft**

# ECT DEMO

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## *Sand-Geofiber Stabilization*

- **Geofiber** stabilization is effective for **heavy traffic**

- **Thickness requirement:**

- **C130 aircraft - 12 in.**
- ▮ **Military truck - 8 in.**

- **Fiber requirement:**

- ▮ **C130 aircraft - 1.0% by dry**

**weight**



# ECT DEMO

## *Multipurpose Mat*

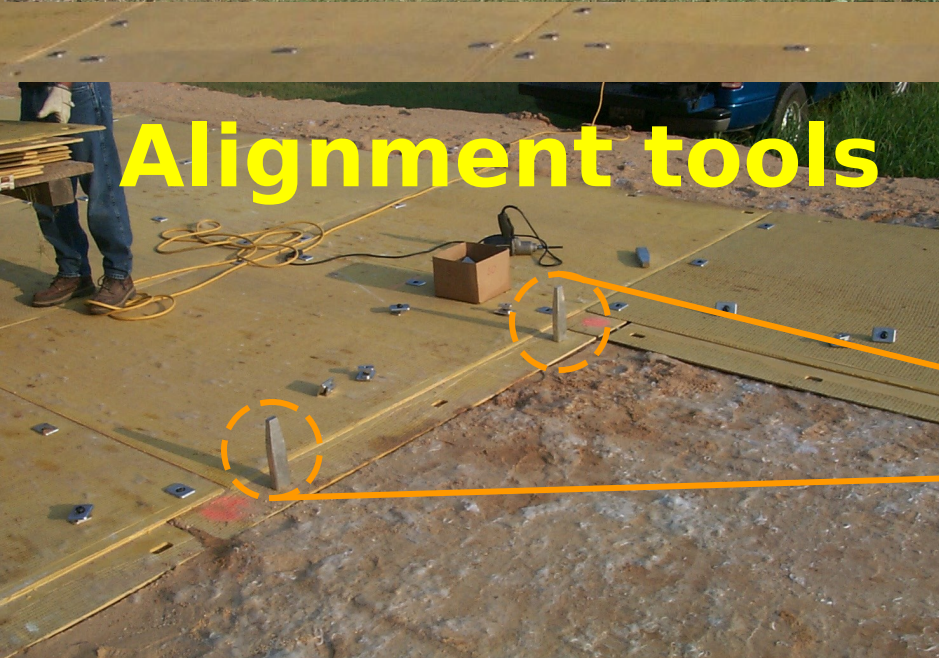
**MP Mats on shipping  
pallets**



**Delivering MP  
mats to  
installation site**



**Alignment tools**





# ECT DEMO

*Multipurpose Mat*

**Installation**



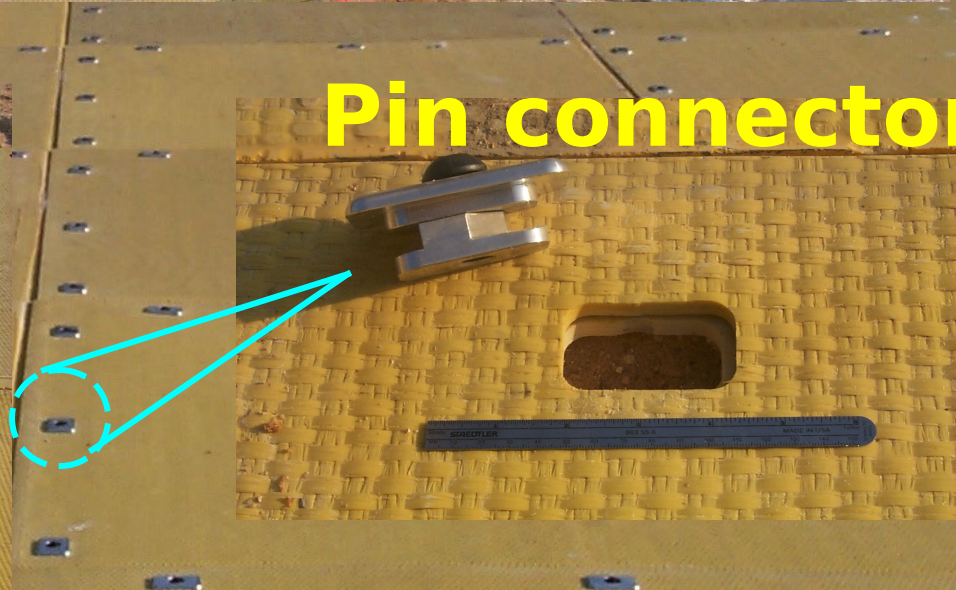
**Installation using Alignment tools**



**Alignment of mat panel holes**



**Pin connector**





# ECT DEMO

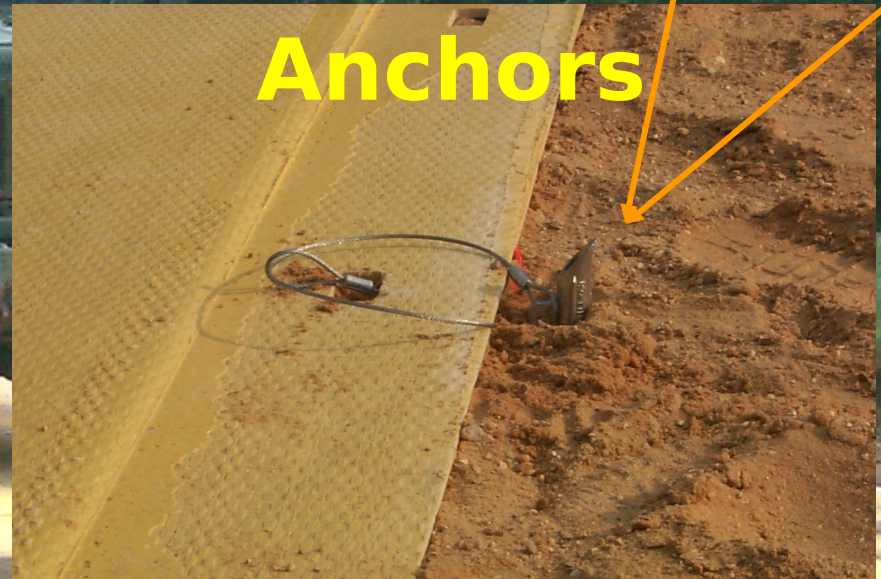
*Multipurpose Mat*

**Ready for traffic**

**Tightening of pin  
connector**



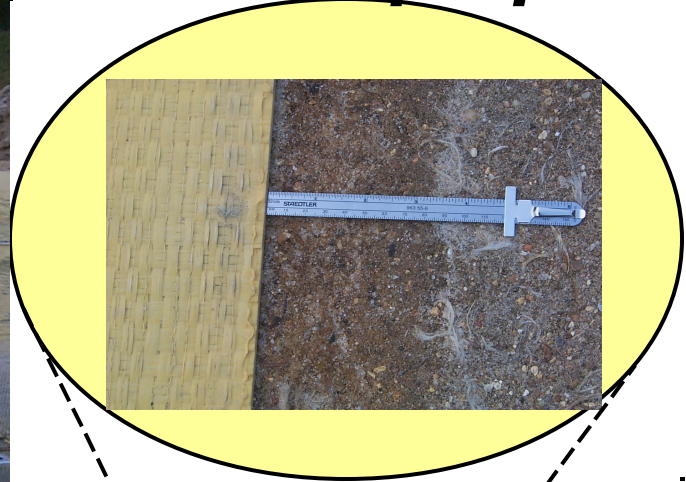
**Anchors**





# ECT DEMO

## Multipurpose Mat





# ECT DEMO

*Hexagonal Plastic Mats*

**Unloading Mats**



**Delivering Mats**



**Ready for Traffic**



**Installation**



**Compaction**





# ECT DEMO

## Hexagonal Plastic Mat

Panel surface

Special

Allround

Special

Allround

Back of panel

Special

Special

Allround



# ECT DEMO

## *Hexagonal Plastic Mat*

Allround





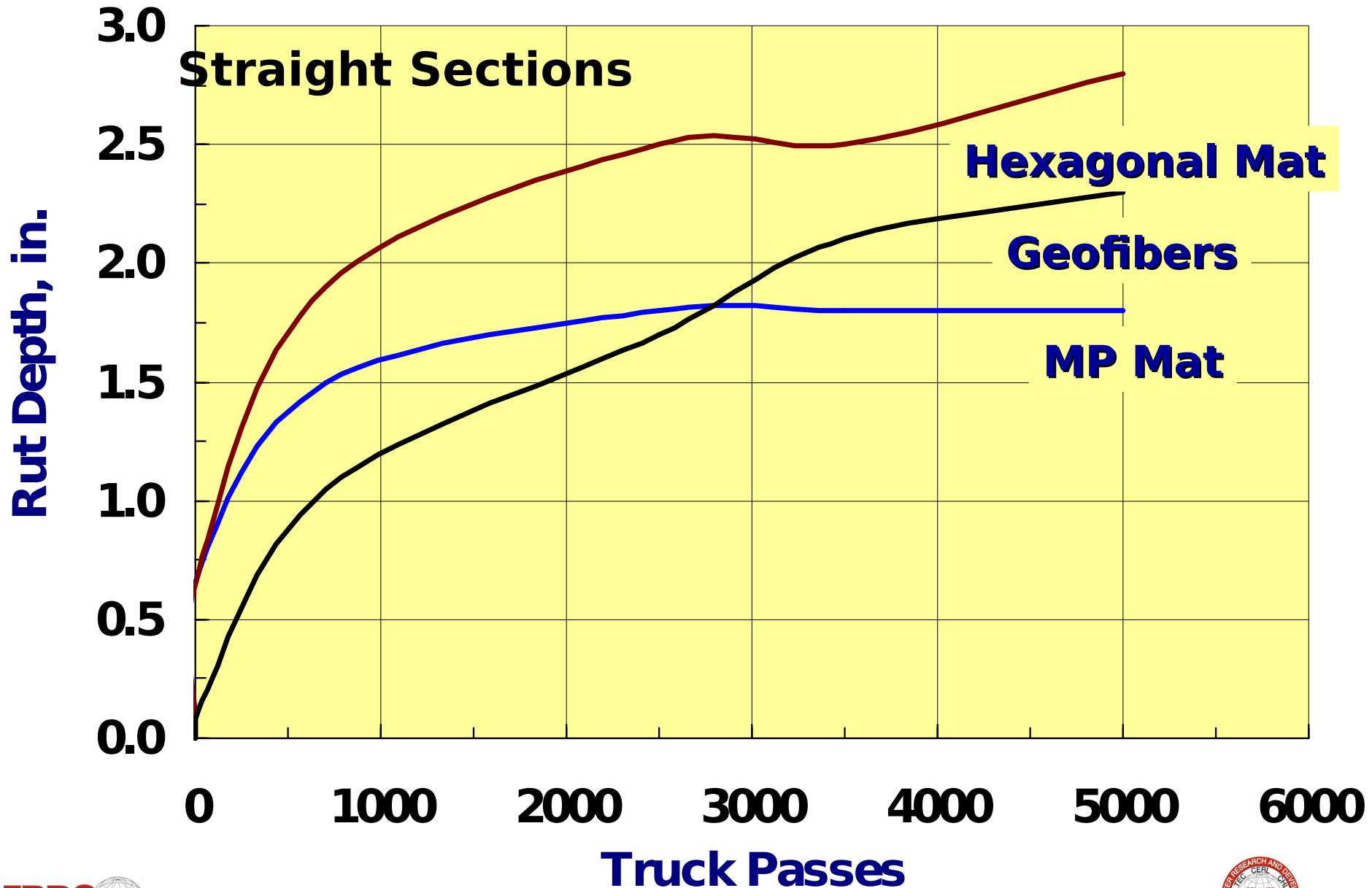
# ECT DEMO

## Hexagonal Plastic Mat





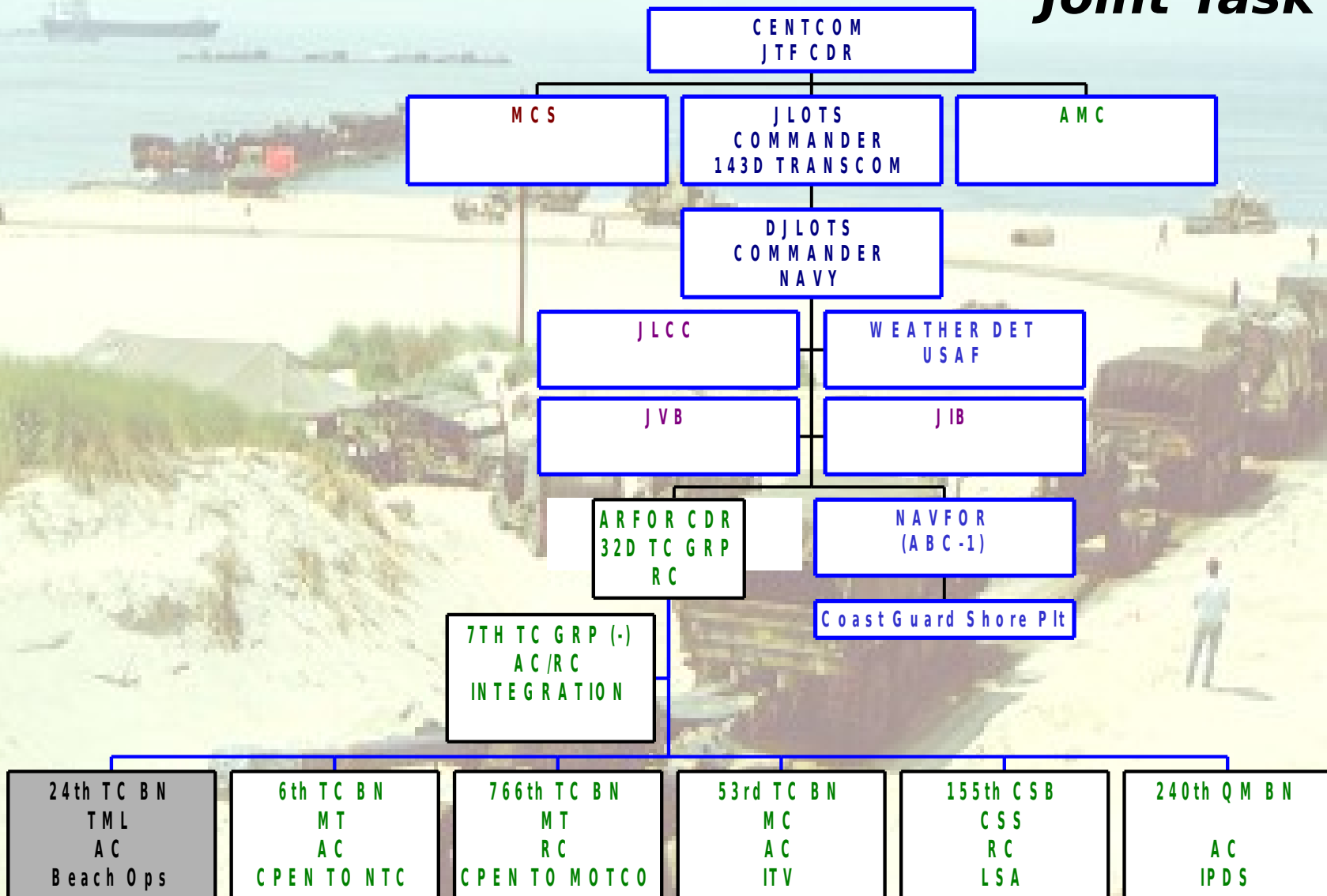
# TECHNOLOGIES PERFORMANCE





# JLOTS NATIVE ATLAS

## Joint Task Force





# JLOTS NATIVE ATLAS

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## *Mission Statement*

### **CONDUCT JLOTS TO DOWNLOAD:**

- **1 brigade of 3<sup>rd</sup> Infantry Division Equipment**
- **Army Preposition Ship (APS)**
- **Onward Movement Ammo Containers (CAD)**
- **Conduct Inland Petroleum Discharge System**
- **Provide LSA Augmentation to NAVFOR**





# **JLOTS NATIVE ATLAS**

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## *Concept Operation*

- **650 pieces of equipment from vessel for onward movement to NTC, Fort Irwin, CA**
- **Download 282 pieces of equipment from the USNS Sisler, Army Materiel Command's hand-off to ARFOR**
- **Conduct onward movement of 200 containers via road to MOTCO**
- **Conduct simulated fuel operations utilizing the inland petroleum distribution system (IPDS)**





# JLOTS NATIVE ATLAS

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## *Concept Operation*

### **Operation Phases:**

- **Phase 1** - Pre Deployment (ends 20 Feb)
- **Phase 2** - Deployment/Build up (21 Feb - 28 Mar)
- **Phase 3** - Operations (29 Mar - 13 Apr)
- **Phase 4** - Redeployment (14 Apr - 30 Apr)





# JLOTS NATIVE ATLAS

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## *Beach Road Construction*

### **Planning Issues:**

- **March 24-28**
- **24<sup>th</sup> TC Battalion - Beach Operations**
- **Construction - 801<sup>st</sup> Engineer Company (Port Opening)**



# **TRANSLOTS ATLANTIC THUNDER**

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## *Planning Issues*

- **Location:** Fort Eustis, VA
- **When:** 8 - 22 June 2002
- **Executive Officers:** 300<sup>th</sup> Trans Group and 143<sup>rd</sup> TRANSCOM
- **Support:** Reserve component support division - U. S. ARMY TRANSPORTATION CENTER
- **> 100** Heavy Trucks and Containers
- **Construction:** 926<sup>th</sup> Engineer Group



# QUESTIONS

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